

REMARKS

This is a full and timely response to the outstanding non-final Office Action mailed September 1, 2006. Reconsideration and allowance of the application and pending claims are respectfully requested.

I. Allowable Subject Matter

Applicant appreciates the Examiner's indication that claims 2-13, 15-18, 20, 21, 23, 24, 26, and 27 would be allowable if rewritten to include all of the limitations of the base claim and any intervening claims and that claims 28-33 are allowable over the prior art of record.

In that it is believed that every rejection has been overcome, it is respectfully submitted that each of the claims that remains in the case is presently in condition for allowance.

II. Drawings Objection

The drawings have been objected to under 37 C.F.R. § 1.83(a) for not showing every feature of the invention specified in the claims. Specifically, Figure 5 is objected to for labeling the RTL SIMULATOR as "514" instead of "12".

In response to this objection, Figure 5 has been amended to renumber the RTL SIMULATOR "12". In view of that amendment, Applicant respectfully submits that the drawings are acceptable and respectfully requests that the objection be withdrawn.

Applicant further notes that, in addition, Applicant has amended each of Figures 1, 2, 3A, and 5 to change the figure label from an outline font to a solid font to match the other figures of the application. No new matter has been added.

III. Claim Rejections - 35 U.S.C. § 102(b)

Claims 1, 14, 19, 22, and 25 have been rejected under 35 U.S.C. § 102(b) as being anticipated by *Mandyam, et al.* ("Mandyam," U.S. Pat. No. 5,928,334).

Regarding independent claim 1, Applicant has amended the claim to incorporate the limitations of claim 3, which was indicated as containing allowable subject matter. In view of that amendment, Applicant respectfully submits that claims 1, 2, and 4-13 are presently allowable.

Regarding independent claims 14 and 22, Applicant notes that those claims are not simply system and apparatus versions of claim 1 before amendment. Instead, claims 14 and 22 contain limitations similar to those indicated as being allowable in claim 3, which were added to claim 1 to render claim 1 allowable. Specifically, claim 14 specifies, among other things, means for monitoring interface signals "output by modeled processor cores and a modeled lockstep block". Similarly, claim 22 specifies, among other things, logic configured to monitor a point-to-point interface for interface signals "output by modeled processor cores and a modeled lockstep block". By analogy, Applicant submits that claims 14 and 22 are allowable over the applied references for similar reasons that claim 1, as amended, is allowable over the references. If the Examiner disagrees for any reason, Applicant cordially invites the

Examiner to call the undersigned attorney to discuss the issue in hopes of reaching agreement as to the allowability of each of Applicant's remaining claims.

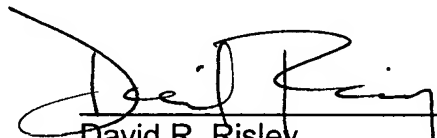
IV. Canceled Claim

Claim 3 has been canceled from the application without prejudice, waiver, or disclaimer. Applicant reserves the right to present that canceled claim, or variants thereof, in continuing applications to be filed subsequently.

CONCLUSION

Applicant respectfully submits that Applicant's pending claims are in condition for allowance. Favorable reconsideration and allowance of the present application and all pending claims are hereby courteously requested. If, in the opinion of the Examiner, a telephonic conference would expedite the examination of this matter, the Examiner is invited to call the undersigned attorney at (770) 933-9500.

Respectfully submitted,



David R. Risley
Registration No. 39,345

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Assistant Commissioner for Patents, Alexandria, Virginia 22313-1450, on

11-9-06
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